初赛第二轮数据

样本数量：

WIFI\_AP点749个

时间戳(采样点数)：

2016-09-10　18：55：04～　2016-09-14　14-59-01　每一分钟一个采样点

预测每个WIFI AP点每十分钟的平均设备连接数量

包含**9月25日15:00:00到18:00的数据**

| departure | YES 3168 3582 2118 1394

| flights | YES 73 48 21 5

| gates | No

| security\_check |No, but 14:xx时刻安检人数有5219

| wifi |No

SQL:

create database flight1;

use flight1;

create table wifi(wifitag varchar(32), pcount int, timestamp varchar(32), primary key(wifitag,timestamp));

load data local infile '/home/wkcn/proj/data/WIFI\_AP\_Passenger\_Records\_chusai\_2ndround.csv' into table wifi fields terminated by ',' enclosed by '"' lines terminated by '\n';

create table flights(flight\_name varchar(16), scheduled\_flt\_time varchar(32), actual\_flt\_time varchar(32), BGATE\_ID varchar(16), primary key(flight\_name, scheduled\_flt\_time));

load data local infile '/home/wkcn/proj/data/airport\_gz\_flights\_chusai\_2ndround.csv' into table flights fields terminated by ',' enclosed by '"' lines terminated by '\n';

create table gates(BGATE\_ID varchar(16) primary key, BGATE\_AREA varchar(16));

load data local infile '/home/wkcn/proj/data/airport\_gz\_gates.csv' into table gates fields terminated by ',' enclosed by '"' lines termina ted by '\n';

create table departure (passenger\_ID2 int,flight\_ID varchar(16),flight\_time varchar(32),checkin\_time varchar(32), primary key(passenger\_ID2));

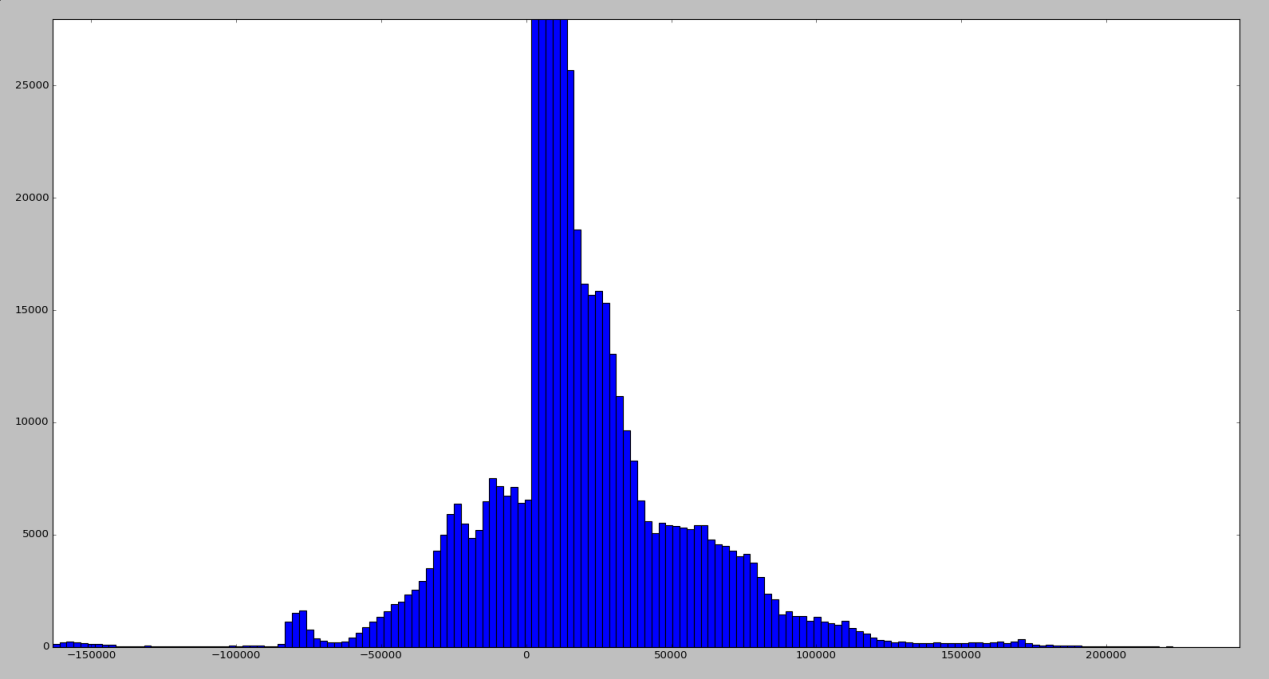
load data local infile '/home/wkcn/proj/data/airport\_gz\_departure\_chusai\_2ndround.csv' into table departure fields terminated by ',' enclosed by '"' lines terminated by '\n';

create table security\_check (passenger\_ID varchar(32),security\_time varchar(32),flight\_ID varchar(16));

load data local infile '/home/wkcn/proj/data/airport\_gz\_security\_check\_chusai\_2ndround.csv' into table security\_check fields terminated by ',' enclosed by '"' lines terminated by '\n';

记得清除csv表头

侯机时间图表:



可能提前10天以上出票

登机与出票时间间隔: 小于8小时:974409, 大于8小时153285

一辆飞机一天出发一次?

自己聚合的表:

create table security\_count(time varchar(32), flight\_ID varchar(16), pcount int, primary key(time,flight\_ID));

DESC 表名

alter table wifi change count pcount int;

create table wifi\_count(wifitag varchar(32), pcount real, timestamp varchar(32), primary key(wifitag,timestamp));

create table region\_count(BGATE\_AREA varchar(16),time varchar(32), scheduled\_flt\_time varchar(32), actual\_flt\_time varchar(32), pcount int, primary key (BGATE\_AREA, time));

create table person\_count(BGATE\_AREA varchar(16), time varchar(32), pcount int, primary key (BGATE\_AREA, time));